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For NTIS

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Field investigations have been conducted in three village-and-cultivations sites, two in Niger and one in Upper Volta, combining the use of ERTS-1 imagery with existing aerial photos, other data sources, with the new field work (ground truth)/ under USAID auspices. The first site is in Tillaberi Arrondissement, Niger and the ERTS-1 scene is ID # 1272-09433 as an example of the numerous Sonrai village and cultivation areas in the Niger River valley. The second site is in Dogondoutchi Arrondissement, the scene used in ID # 1271-09374 as an example of Hausa settlement and cultivation practices. The third site is in Kaya Cercle in Upper Volta, the scene used in ID # 1274-09550 and the area an example of Mossi settlement and agrarian regimes. Distinctions in settlement pattern and agrarian pattern can be distinguished in the imagery; a detailed analysis will follow. A twelve scene mosaic prepared by the Drought Analysis Laboratory with the support of Goddard Space Flight Center enables extrapolation from the field work test sites to the wider areas they represent.

(E73-10893) [ERTS-1 IMAGERY OF VILLAGE  
AND CULTIVATION SITES IN NIGER AND UPPER  
VOLTA] (Catholic Univ. of America) 1 p  
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